

DZENS-LITOVSKIY, A.I.

Deltas of marine straits. Izv. Vses. Geog. ob-va 89 no.2:141-149
Mr-Ap '57. (MLRA 10:6)

(Deltas)

DZENS-LITOVSKIY, A.I.

V.M. Shnitnikov; obituary. Izv.Vses.geog.ob-va 90 no.5:470-471
S-O '58. (MIRA 11:11)
(Shnitnikov, Vladimir Nikolaevich, 1873-1957)

Dzens-Litovskiy, A.I.

AUTHORS: Dzens-Litovskiy, A.I. and Lyarskiy, P.A. 12-1-14/26

TITLE: The Life and Scientific-Pedagogical Activity of G.G. Shenberg
(Zhiznenny put' i nauchno-pedagogicheskaya deyatel'nost' G.G. Shenberga)

PERIODICAL: Izvestiya Vsesoyuznogo Geograficheskogo Obshchestva, 1958,
1, pp 77 - 79 (USSR)

ABSTRACT: This article is a biography of G.G. Shenberg, who died in 1954 at Mogilev. He was a senior member of the All-Union Geographic Society of the USSR, and taught as a professor of geography and natural sciences at various institutes. His research success and aims are listed.
There is one photograph.

AVAILABLE: Library of Congress

Card 1/1

DZENS-LITOVSKIY, A.I.

~~Result of the work of the author~~

Azonal phenomena in geographical zoning of underground waters.

Sov. geol. 1 no.8:170-173 Ag '58.

(MIRA 11:11)

(Water, Underground)

10-58-3-1/29

AUTHOR: Dzens-Litovskiy, A.I., Lopatin, G.V. and Shnitnikov, A.V.

TITLE: The Third All-Union Hydrological Congress (Tretiy vsesoyuznyy gidrologicheskiy s"yezd)

PERIODICAL: Izvestiya Akademii Nauk SSSR - Seriya Geograficheskaya, 1958, Nr 3, pp 3-9 (USSR)

ABSTRACT: From the 7th to the 17th October 1957 the Third All-Union Hydrological Congress took place in Leningrad. There were 1,200 experts on hydrology and adjacent subjects, and guests from people's democracies present; 429 reports were delivered, among them 140 reports from workers of the Gidrometeoslužba (The Hydrometeorological Service), about 65 from workers of the USSR Academy of Sciences and the same number of reports by workers of Soviet Higher Education Institutions. At the plenary meetings of the conference the following 9 reports were delivered: "Investigations on the Interior Waters of the USSR and Future Tasks in Studying This Subject" by V.A. Uryvayev; "Water Engineering Construction in the USSR and the Tasks of Hydrology" by S.N. Kritskiy, M.F. Menkel' and A.I. Chebotareva; " Investigating Lakes and Water Reservoirs of the

Card 1/6

The Third All-Union Hydrological Congress

10-58-3-1/29

USSR" by Ye.V. Bliznyak and V.G. Andreyanov; "The Utilization of the USSR Water Resources and the Future development of Water Engineering" by A.N. Voznesenskiy; "The Present Methods of Hydrological Prognosis and Ways Leading to Their Development" by G.P. Kalinin; "The Research and Computation of Water Discharges in the USSR, Their Present State and Future Development" by D.L. Sokolovskiy; "The Climatic Factors of Water Balance on the Continent" by M.I. Budyko and O.A. Drozdov; N.Ye. Kondrat'yev reported on his research regarding the deformation of river beds, and Academician I.P. Gerasimov on "The Transformation of Water and Thermal Conditions Under the Influence of Meliorative Measures". During the continuation of the conference the following reports were delivered in the 9 sections: B.L. Lichkov on "The Unity of Natural Waters and the Formation of Subsurface Waters", based on the theory of the Academician V.I. Vernadskiy; M.I. L'vovich on "Complex Geographical Method in Hydrology and the Tasks of Its Development", A.V. Shnitnikov on "The Past and Future of Lake Aral and the Big Climatic Rhythms"; B.A. Apollov on "The Connection Between Solar Activity and the Phenomena Determining the Flow of Rivers"; Ye.S. Rubinshteyn and O.A. Drozdov on "Climatic Changes and Variations and the Secular Course of Precipitations". The report

Card 2/6

The Third All-Union Hydrological Congress

10-58-3-1/29

of P.A. Kozlovskiy "Connections Between Hydrological and Terrestrial Electricity Problems" is said to have been interesting and valuable. Four reports were delivered by P.S. Kuzin, V.S. Mezentsov, V.I. Astrakhantsev and G.V. Lopatin on questions of hydrological partitioning; K.Ye. Ivanov reported on "Basic Principles of Swamp Hydrology"; V.V. Romanov on "Water Balance of Swamps in the European Parts of the USSR"; A.M. Gavrilov and P.V. Molitvin reported on their investigations regarding rivers in karst districts of the USSR; G.I. Shvets and E.G. Moskovkina reported on the secular fluctuations of the amount of water in the Dnepr and on historical floods at the lower parts of the Daugava; I.V. Bogolyubova, M.M. Ayzenberg, V.Ye. Ioganson, S.P. Kavetskoy and others reported on the study of flood waters and on catastrophic floods in mountainous districts; A.I. Dzens-Litoyskiy on "Geological and Geographical Regularity in the Distribution of Fresh-Water, Brackish- and Salt Lakes"; B.B. Bogoslovskiy on "Water Balance of Lakes in the USSR European Territory"; M.A. Man'ko and A.V. Agupov dealt in their reports with the subsurface supply of lakes, and A.N. Afanas'yev and O.I. Khalatyan with the water balance of the Lake Baykal and the Khrami water reservoir; G.I. Galaziy reported on "Botanical Method Serving Hydrology

Card 3/6

The Third All-Union Hydrological Congress

10-58-3-1/29

and Engineering Geology". On the formation of shores and the bottom of water reservoirs, S.L. Vendrov dealt with the Tsimlyansk, the Kama, and the Kuybyshev water reservoirs; N.A. Labzovskiy, O.G. Grigor'yeva and A.S. Sukhodol'skiy on the theory of shore formation; V.M. Makkaveyev dealt with the theory of surge in water reservoirs; other reports delivered by Ye.M. Selyuk, P.I. Nikulin, V.L. Bulakh, V.P. Moskal' and I.G. Nikitin dealt with the theory of surge and in particular with the water reservoirs of Rybinsk, Kuybyshev, Kakhovka, Dnepr and Central-Asia. Matters of thermal processes and water balance of water reservoirs were treated by I.V. Molchanov, K.I. Rosinskiy, M.M. Aynbund (Lake Sevan), V.I. Verbolov (Lake Baykal), A.R. Konstantinov and G.G. Fedorova (Lake Valdai). On subsurface water resources and the subsurface supply of rivers reported S.F. Aver'yanov, S.N. Bogolyubov, B.I. Kudelin, B.L. Lichkov, F.A. Makarenko, G.M. Zakharchenko, A.I. Kalabin, V.A. Sergeyev, V.I. Duginov, V.A. Korobeynikov, G.F. Basov. N.I. Druzhinin, A.V. Lebedev, O.V. Popov and others referred to the state of subsurface water supplies and A.A. Rode, N.N. Favorin, A.K. Filippov and others to the water physical characteristics of soils. A.M. Ovchinnikov, V.I. Dukhanin and others reported on their investigations of the regularity of

Card 4/ 6

The Third All-Union Hydrological Congress

10-58-3-1/29

subsurface water formation and distribution in the Russian lowland. From the regional reports are mentioned: M.M. Ivanitsin, on the formation of subsurface water in the irrigated cases of Uzbekistan; B.N. Arkhangel'skiy, on underground depressions in the North-Western district; M.V. Silich, on the karst of the Lithuanian SSR. The question of evaporation from the water surfaces was covered by Z.A. Vikulin, D.L. Laykhtman, T.V. Kirillov, A.A. Krassovskaya, M.P. Timofeyev, N.I. Yakovlev and others. On the subject of evaporation from ground and vegetation, reports were delivered by V.F. Pushkarev, A.R. Konstantinov, V.V. Romanov, N.P. Rusin, V.I. Kuznetsov, S.F. Fedorov, V.F. Shebeko and others. On ice and snow research spoke G.D. Rikhter, Ye.Ya. Shcherbakov, I.V. Ivanov, P.P. Kuz'min, O.A. Spengler, A.P. Braslavskiy, A.G. Kolesnikov, A.A. Pivovarov, A.G. Pronin, B.P. Panov and others. On hydrochemistry and sanitary preservation of water, reports were delivered by N.M. Bochkov, S.M. Drachev, M.I. Kriventsov, A.O. Alekin, P.F. Bochkarev, N.V. Veselovskiy, P.P. Voronkov, K.K. Votintsev, S.G. Vznuzdayev, K.V. Filatov and others; on the regularity of chemical composition in natural waters of different geographic zones reported A.O. Alekin, L.V. Brazhnikova, P.V. Voron-

Card 5/6

The Third All-Union Hydrological Congress

10-58-3-1/29

kov, A.I. Dzens-Litovskiy and others. Considerable attention was paid to the study of the conditions in regulated rivers and the state of technical equipment in hydrometric work (O.N. Borsuk, Ye.M. Znamenskaya, S.I. Koplan-Diks and A.K. Proskuryakov). On the possibility of using physical methods of measuring, based on the laws of ultra-accoustics and nuclear radiation, reported M.M. Arkhangel'skiy, A.M. Dimakhsyan and Ye.V. Berg. I.V. Popova and Ye.A. Romanova reported on the future possibilities of using air photosurvey. Ye.V. Bliznyak proposed a scheme to systematize information on USSR water resources. On new methods of calculating the regulation of flow reported S.N. Kritskiy and M.F. Menkel'; I.A. Zheleznyak elucidated the phenomenon of transformation of the flood flow by means of a system of water reservoirs. Thirty five reports were presented by representatives of people's democracies.

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1. Conferences - Hydrological Congress - Leningrad
2. Hydrology - USSR

SOV-26-58-11-41/49
AUTHOR: Dzents-Litovskiy, A. I., Professor (Leningrad)
TITLE: The Dynamics of the Sea Shores (Dinamika morskikh beregov)
PERIODICAL: Priroda, 1958, ⁴⁷Nr 11, pp 117 - 118 (USSR)
ABSTRACT: The author reviews the book "Berega Chernogo i Azovskogo Morey" (The Shores of the Black Sea and the Sea of Azov) by V.F. Zenkovich, published by the State Publishing House of Geographical Literature, 1958, 374 pages.

1. Beaches---Geophysical factors

Card 1/1

DZENS-LITOVSKIY, A.I.; LYARSKIY, P.A.

Life and pedagogic work of G.G. Shenberg. Izv. Vses. geog. ob-va 90
no.1:77-79 Ja-F '58. (MIRA 11:4)

(Shenberg, Gergard Gustavovich, 1875-1954)

DZENS-LITOVSKIY, A.I.

Geology and hydrogeological conditions of the occurrence of new
types of sulfatic raw materials in the Gulf of Kara-Bogaz-Gol.
Trudy Okean. kon. 5:305-313 '59. (MIRA 13:6)
(Kara-Bogaz-Gol (Gulf)--Sulfates)

DZENS-LITOVSKIY, A.I.

Salt lakes in the arid zone of the globe. Trudy Lab.
ozero ved. 10:63-94 '60. (MIRA 14:6)
(Saline waters)

DZENS-LITOVSKIY, A. I.

Geographical conditions of the formation of salt lakes from
the brines of underground salt deposits. Trudy Lab.
ozeroed. 10:95-109 '60. (MIRA 14:6)
(Saline waters)

DZENS-LITVOSKIY, A.I., prof. (Leningrad)

Boring mollusks. Priroda 49 no.10:94-95 0 '60.
(Crimea--Mollusks, Fossil)

(MIRA 13:10)

DZENS-LITOVSKIY, A.I., prof.

Sea cataract. Priroda 50 no.8:63-67 Ag '61.

(MIRA 14:7)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut galurgii
(Leningrad).

(Kara-Bogaz-Gol Strait--Description)

DZENS-LITOVSKIY, A.I.

Problems in future comprehensive study of the gulf Kara-Bogaz-Gol.
Trudy Len. ob-va est. 72 no.1:58-61 '61. (MIRA 15:3)
(Kara-Bogaz-Gol (Gulf)--Salt deposits)

DZENS-LITOVSKIY, A.I.; VASIL'YEV, G.A.

Geologic conditions governing the formation of bottom sediments in Kara-Bogaz-Gol in connection with fluctuations in the Caspian Sea level. Izv.AN SSSR.Ser.geol. no.3:101-109 Mr '61. (MIRA 15:2)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut galurgii, Leningrad.
(Kara-Bogaz-Gol (Gulf)---Deep-sea deposits) (Caspian Sea)

DZENS-LITOVSKIY, A.I.

The Caspian Sea and Kara-Bogaz-Gol Gulf. Izv. Vses. geog. ob-va
94 no.1:34-44 Ja-F '62. (MIRA 15:3)
(Kara-Bogaz-Gol region--Geography)

CHERNOSVITOV, Yu.L.; VASIL'YEV, G.A.; DZENS-LITOVSKIY, A.I.;
MEL'NIKOV, I.I., nauchnyy red.

[Industry's requirements as to the quality of mineral raw materials; handbook for geologists] Trebovaniya promyshlennosti k kachestvu mineral'nogo syr'ia; spravochnik dlia geologov. Izd.2., perer. Moskva. Gosgeoltekhizdat. No.11
[Barite and witherite] Barit i Viterit. 1963. 41 p.
No.70. [bromine and iodine] brom i iod. 1963. 47 p.
(MIRA 17:3)

1. Moscow. Vsesoyuznyy nauchno-issledovatel'skiy institut mineral'nogo syr'ya.

DZENS-LITOVSKIY, A.I.; MIKITSINSKIY, V.V.

Salt lakes in the arid zone of Central Asia. Trudy Lab. ozeroved. .
15:174-214 '63. (MIRA 16:3)
(Asia, Central--Salt deposits)

DZENS-LITOVSKIY, A.I., prof. (Leningrad)

Natural salts of the deserts. Priroda 52 no.3:75-82 '63.

(MIRA 16:4)

(Soviet Central Asia—Salt deposits)

ANTIPOVA, A.S., starshiy nauchnyy sotrudnik; DZENS-LITOVSKIY, A.I., doktor
geol-mineral. nauk. prof., red.

[Salt resources of the U.S.S.R. Pt.2. Salt deposits of Central
Asia.] Solianye resursy SSSR. Moskva. Nedra. Pt.2. Solianye
mestorozhdeniya Srednei Azii. 1964. 8lp. (Moscow. Vsesoyuznyi
nauchno-issledovatel'skii institut solianoi promyshlennosti.
Trudy, no.8(16)) (MIRA 18:2)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut solyanoy
promyshlennosti (for Antipova).

DZENS-LITOVSKIY, prof. (Leningrad)

Artificial reservoirs of underground water. Priroda 53 no.7:54-
58 '64. (MIRA 17:7)

CHERNOSVITOV, Yu.L.; DZENS-LITOVSKIY, A.I.; IVANOV, V.A.;
KULICHKOV, S.A.; nauchn. red.

[Industry's requirements as to the quality of mineral raw materials; a handbook for geologists] Trebovaniia promyshlennosti k kachestvu mineral'nogo syr'ia; spravochnik dlia geologov. Moskva, Nedra. Nos.9, 77. 1965.

(MIRA 18:9)

1. Moscow. Vsesoyuznyy nauchno-issledovatel'skiy institut mineral'nogo syr'ya.

DZEPESI, Dezso

On the zero layer. Idojaras 64 no.2:106-108 Mr-Ap '60. (EEAI 10:3)
(Air) (Atmosphere)

DZERANOV, Kh.P. (Ordzhonikidze, Severo-Osetinskoy ASSR, ul.Revolyutsii, d.8)

Exit of an aspirated foreign body through the chest wall. Vest.
khir. 78 no.5:122 Ky '57. (MLRA 10:7)

1. Iz kliniki obshchey khirurgii (zav. - G.Kh.Sarkisov) Severo-
Osetinskogo meditsinskogo instituta
(LUNGS, for.bod.
exit. of aspirated for. body through thoracic wall)

DZERANOV, Kh.P.

Two cases of heart wound. Khirurgia 35 no.10:117-119 0 '59.

(MIRA 12:12)

1. Iz kliniki obshchey khirurgii (zav. - prof. G.Kh. Sarkisov)
Severo-Osetinskogo meditsinskogo instituta.

(HEART wounds and injuries)

AVSYUK, G.A.; ARMAND, D.L.; VENDROV, S.L.; GELLER, S.Yu.; GERASIMOV, I.P.;
GRIGOR'YEV, A.A.; GRICHUK, V.P.; DZERDZEYEVSKIY, B.L.; KAMANIN, L.G.;
ISAKOV, Yu.A.; LEONT'YEV, N.F.; L'VOVICH, M.I.; MURZAYEV, E.M.;
NEYSHTADT, M.I.; RIKHTER, G.D.; SOBOLEV, L.N.

On Academician Vladimir Nikolaevich Sukachev's 85th birthday.

Izv. AN SSSR. Ser. geog. no.4:3-4 J1-Ag '65.

(MIRA 18:8)

ARMAND, D.L.; BUDAGOVSKIY, A.I.; VENDROV, S.L.; VITVITSKIY, G.N.;
GELLER, S.Yu.; GERASIMOV, I.P.; DZERDZEYEVSKIY, B.L.; GLUKH, I.S.;
GRIGOR'YEV, A.A.; DANILOVA, N.A.; ZHIVAGO, A.V.; KEMMERIKH, A.O.;
KRAVCHENKO, D.V.; KUVSHINOVA, K.V.; MEDVEDEVA, G.P.; RAUNER, Yu.L.;
CHUBUKOV, L.A.

Aleksandr Petrovich Gal'tsov, 1909-1965; an obituary. Izv. AN
SSSR. Ser. geog. no.6:145 N-D '65. (MIRA 18:11)

[illegible]

DZERDZEEVS'KYI, Boris L'vovich, 1898-

Clouds and predipitation. Kyiv. Radians'ka Ukraina, 1945. 19 p. (Nauko-vo-sovitnia vivliotechka)

Cyr.4 QC71

DZERDZEVSKIY, BORIS L'VOVICH

DZERDZEVSKIY, BORIS L'VOVICH.

Tsirkuliatsionnye skhemy v troposfere tsentral'noi Arktiki. Moskva, Izd-vo Akademii Nauk, 1945. 39 p., charts, diagr.

Title tr.: Circulation scheme in the troposphere of the central Arctic.

Synoptic conditions for flying in high latitudes: p. 34-38.

QC940.A76D9

SO: Aeronautical Sciences and Aviation in the Soviet Union, Library of Congress, 1955.

DZERDZEYEVSKIY
DZERDZEYEVSKIY, B. L.

"The Aerial Ocean,"-Moscow, 1946, 40 pp.

This booklet belongs to the popular science library series published by the State Technical Press and outlines what is the surrounding air and what are the most important phenomena occurring in it. It is included in a list of books with comments by S. N. Zharkov on their meteorological value.

U-1527, 11 Oct 51

DZERDZEVSKII, B. L.

RT-1519 (Concerning the distribution of atmospheric pressure over the Central Arctic) O raspredelenii atmosfernogo davleniia nad tsentral'noi arktikoi.

SO: Meteorologiya i Gidrologiya, (1): 33-38, 1946

DZERDZEYEVSKIY, B. L., KURGANSKAYA, V. M., AND VITVISKAYA, Z. M.

Typification of the mechanisms of circulation in the Northern Hemisphere and characteristics of synoptical seasons. (In Russian)
Trudy Centr. Inst. Forecast, Moscow-Leningrad, Ser. 2., No. 21, 1946, 80 p., graphs, charts, tables, refs. (A photocopy).

DZERDZEYEVSKIY, B. L.

BUGAYEV, V. A. and DZERDZEYEVSKIY, B. L., "Circulation Schemes in the Troposphere of Central Atlantic," No 3, pp 84-85.
(Meteorologiya i Gidrologiya, No 6 Nov/Dec 1947)

SO: U-3218, 3 Apr 1953

DZERDZHEVSKIY, D.L.

"Type-Classification of Atmospheric Processes Over the Northern Hemisphere
as a Method ~~of~~ for Characterizing the Seasons,"

Doklady GOIN, (Reports of the State Oceanographic Institute, No 42, 1947.

1. DZERDZEYEVSKIY, B. L.

2. USSR (600)

"Some Problems of the Physics of the Atmosphere." Fizika v Shkole, No.4,
1948 (11-21)

9. Meteorologiya i Gidrologiya, No. 3, 1949.

~~Report~~ Report U-2551. 30 Oct. 52.

1ST AND 2ND DEGREES										3RD AND 4TH DEGREES									
PROCESSIES AND PROPERTIES INDEX																			
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<p>9-33 551.509.8 <u>Drentzen, P. L.</u> <u>Kak predskazyvat pogodu.</u> [How to forecast weather.]. <u>Moscow, Gosstatiznao Isdatel'stvo Sotsialisticheskoy Literatury, 1949. 79 p.</u> <u>31 figs., 2 tables. DLC—This publication is one of the Nauchno-populiarnaya biblioteka</u> <u>(Popular Science Library) bulletins for the enlightenment of scientists working in agricultural</u> <u>science. The author is one of the foremost synoptic meteorologists of the USSR, having</u> <u>been assigned to the Papstia expedition to the North Pole in 1937-38 as synoptic analyst,</u> <u>in this book the general principles of observation, synoptic meteorology, physics of clouds,</u> <u>rain, snow and hail formation, weather analysis and short, medium and long range forecasting</u> <u>are discussed from a popular viewpoint, and illustrated by numerous schematic diagrams.</u> <u>Special attention is given to frost forecasting and protection, the use of shelter belts to conserve</u> <u>moisture, and snow retention. Subject Headings: Elementary meteorology, Snow retention,</u> <u>Conservation, Weather forecasting.—M.R.</u></p>																			
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ASB-SLA METALLURGICAL LITERATURE CLASSIFICATION																			
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DZERDZEVSKIY, B.L.

Meteorological Abst.
Vol. 4 No. 8
Aug. 1953
Part 1
General Meteorology.

48-47 551.5(02)
Dzerdzevskii, Boris L'vovich, Vozdushnyi okean. [The "Atmospheric ocean."] Moscow, Voennoe Vozdukh, 1952. 127 p. 47 figs. DLC--Semipopular treatment, prepared as an introduction in meteorology for the lower grade army personnel. Author presents the basic facts in the physics of the atmosphere, explains measurements from the ground up to the stratosphere, discusses weather conditions in mountain regions, formation of condensation trails, as well as phenomena in the upper atmosphere. Author mentions briefly that experiments are under way to "make the desired weather" (p. 9), gives notes on dust storms (p. 12), old weather observations in Russia (p. 28-29, 31), cloud physics (p. 79-87), radio meteorology (p. 93-94), searchlight technique (p. 97-98), observations of abnormal sound propagation (p. 102-103), radio location of meteors (p. 104-106), noctilucent clouds (p. 106-109), counterlight of the earth (p. 124-125), etc. Subject Headings: 1. Elementary meteorology 2. Text-books.--A.A.

EH
4/14/54

DZERDZEYEVSKIY, B. L.

USSR/Geophysics - Soils and Climates Jan/Feb 52

"Means for Modifying the Climatic Conditions of the Caspian Region," B. L. Dzerdzeyevskiy, Inst of Geog, Acad Sci USSR

"Iz Ak Nauk SSSR, Ser Geog" No 1, pp 3-13

Instead, as Americans do, of classifying by soil types, L. I. Prasolov (cf. "Pochvovedeniye" No 1, 1939) and Gerasimov (cf. "Pochvovedeniye" No 3, 4, 1945) classify zones by climatic types that affect the soil. The inverse effect of soil on climate is less known and was analyzed by A. I. Voyeykov (cf. "Human Influence on Climate" "Geografiz" 1949) in order to modify climates according to Stalin's principles.

205T48

DZERDZHEVSKIY, B.L., doktor.fiziko-matematicheskikh nauk, redaktor.

[Microclimatic and climatic research in the Caspian Depression]
Mikroklimaticheskie i klimaticheskie issledovaniia v Prikaspiiskoi
nizmennosti. Moskva, Izd-vo Akademii nauk SSSR, 1953. 167 p.
(MLRA 7:1)

1. Akademiya nauk SSSR. Institut geografii.
(Caspian depression--Climatology) (Climatology--Caspian depression)

1. Project Name _____

DZERDZEYEVSKIY, B. L.

USSR/Geophysics - Atmosphere's Circulation

FD-1195

Card 1/1 Pub. 45-6/8

Author : Dzerdzeyevskiy, B. L., and Monin, A. S.

Title : Standard schemes for the general circulation of the atmosphere in the Northern Hemisphere and the index of circulation

Periodical : Izv. AN SSSR, ser. geofiz., No 6, 1954, pp 562-574

Abstract : The authors describe indices of circulation calculated along the parallels of latitude of the Northern Hemisphere at heights corresponding to 500 and 700 mb pressure. They analyze their connection with the elementary circulatory mechanisms. They establish a close dependence of the values of the index of circulation upon a shift of the elementary circulatory mechanisms.

Institution : Geography Institute and Geophysics Institute, Acad. Sci. USSR

Submitted : February 2, 1954

Translation M-602, 5 Jul 55

DZERDZEYEVSKIY, B. L.

The concepts of V. V. DOKUCHAEV to combat the drought. (In Russian)
Photocopy from the collection: the importance of the scientific
ideas of V. V. Dokuchaev for the struggle with the drought and the
erosion, Ed. by Acad. Sci, U.S.S.R., Moscow, 1955.

DZERDZEYEVSKIY, B. L.

III. Air circulation factors of the climate. (In Russian)
In: Agro-chimatic and water resources of the utilization regions of virgin
soils and waste-lands, Hydrometeorological Publishing House,
Leningrad, 1955, pp. 30-41, graphs. (Photocopy)

DZERDZHEVSKIY, B.L.

Meteorological characteristics of 1954 in virgin and fallow lands
of the Altai Territory and northern Kazakhstan. Izv. AN SSSR. Ser.
geog. no.2:30-42 Mz-Ap '55. (MLRA 8:6)

1. Institut geografii AN SSSR.
(Altai Territory--Meteorology) (Kazakhstan--Meteorology)

DZERDZEYEVSKIY, B. L.

Rôle d'analyse de la circulation atmosphérique générale pour l'établissement des frontières entre les régions arides et humides.

Repr. Recueil des articles pour le XVIII^e Congrès International Géographique, Ed. Acad. Sci. U.S.S.R., Moscow-Leningrad, 1956, pp. 150-156, and plate.

SOV / 124-58-5-5558

Translation from: Referativnyy zhurnal, Mekhanika, 1958, Nr 5, p 90 (USSR)

AUTHOR: Dzerdzeyevskiy, B. L.

TITLE: The Problem of Fluctuations of the General Atmospheric Circulation and of the Climate (Problema kolebaniy obshchey tsirkulyatsii atmosfery i klimata)

PERIODICAL: V sb.: A. I. Voyeykov i sovrem. probl. klimatol. Leningrad, Gidrometeoizdat, 1956, pp 109-122

ABSTRACT: The necessity of a concurrent study of the fluctuations of the climatic fields of the meteorological elements and the changes in the general (planetary) atmospheric circulation is set forth. For characterizing the conditions of the latter, grouped schematic units are used, namely, the elementary circulation mechanisms (ECM) previously proposed by the author. The thirteen ECM's selected previously are grouped into three categories according to their relative translational direction: 1) zonal circulation, 2) break-down of the zonal pattern, and 3) meridional circulation. From an analysis of the data for the ECM's over a 55-year period (1899-1954), the author finds the existence of substantial differences in circulatory character between

Card 1/2

SOV/ 124-58-5-5558

The Problem of Fluctuations of the General Atmospheric (cont.)

the first and the second halves of the observed period. In the first half of the period the zonal circulation was weaker, while in the second half it increased substantially. Following this the author compares the circulatory conditions over the whole of the Northern hemisphere with the variations in temperature and precipitation of different regions. On the basis of this analysis, the author deduces that, over a period of many years, the variations in these elements correlate with the circulatory processes and offers a proposition that the substantial variations in the boundaries of climatic regions relative to time are due to the fluctuations of the atmospheric circulation.

S. A. Mashkevich

1. Atmosphere--Motion
2. Climate--Statistical analysis
3. Climate--Meteorological factors

Card 2/2

DZERDZEYEVSKIY, B. L.

Investigation methods of the origin of dry winds. (In Russian)
Reprint from Vestnik U. S.S.R. Acad. Sci., Moscow, No. 3, 1956, pp. 74-78

DZERDZYEVSKIY, B.L.

GERASIMOV, I.P.; ARMAND, D.L.; HUDYKO, M.I.; DAVITAYA, F.F.; ~~DZERDZYEVSKIY, B.L.~~;
KUNIN, V.N.; L'VOVICH, M.I.; RIKHTER, G.D.; SHEVTSOV, P.Y.

Thermal and hydrological regime of the earth's surface, its role in the
dynamics of natural processes, geographical differences, and methods of
transforming it for practical purposes. Izv.AN SSSR, Ser.geog. no.4:
47-59 J1-Ag '56. (MLBA 9:10)

(Hydrology)

14-57-7-14724
Translation from: Referativnyy zhurnal, Geografiya, 1957, Nr 7,
p 75 (USSR)

AUTHOR: Dzerdzeyevskiy, B. L.

TITLE: Features of the Five Year Cycle in Atmospheric
Circulation Over the Northern Atlantic (Nekotoryye
osobennosti poluvekovogo rezhima tsirkulyatsii
atmosfery nad Severnoy Atlantikoy)

PERIODICAL: Tr. Leningr. gidrometeorol. in-ta, 1956, Nrs 5-6,
pp 191-200

ABSTRACT: In contrast to the majority of investigators studying
atmospheric circulation over the Northern Atlantic,
the author made use of the patterns of general circu-
lation over the entire northern hemisphere. He took
the latitudinal or the meridional trends of the circu-
latory movements as the criteria for type groupings
and based his work on the 1899-to-1954 map of the

Card 1/4

14-57-7-14724

Features of the Five Year Cycle (Cont.)

northern hemisphere. The 13 types of elementary circulatory mechanisms (Dzerdzeyevskiy, B. L., Kurganskaya, V. M., Vitvitskaya, Z. M., Tr. n.-i. uchrezhd. Gl. upr. gidrometsluzhby, 1946, ser. 2 Nr 21) were divided into four groups. The first group contains the schemes of motions corresponding to the latitudinal circulation consisting of the western flows related to the cyclonic activity to the north of the 55th northern parallel and to the anticyclonic activity south of this parallel. To the second group belong arctic intrusions through the northern latitudes of the Atlantic. The third group is characterized by the translocation of its zonal circulatory movements to the south. The fourth group displays the translocation of cyclones from the south to the arctic region. The third group is most persistent in having its features repeated through the years. The first two groups are equal in their persistence, and the fourth is the least persistent. For each of the groups the author calculated ten-year sliding averages of its duration and the deviation from the 50-year averages for different seasons and for the year.

Card 2/4

14-57-7-14724

Features of the Five-Year Cycle (Cont.)

Analysis of the curves plotted from these data enables the author to arrive at the conclusion that the first part of the present century was typified by the southerly translocation of its latitudinal circulation during the winters. In the north it was periodically interrupted by meridional intrusions from the rear. This trend was later replaced by a noticeable displacement of the circulation to the north, accompanied by an increased cyclonism. The repetitiveness of the second group at the beginning of the century occupied an intermediate place between the first and the third groups. Later on, the third group found itself in this position in respect to the first and the second groups. The summer intensification of cyclonism in the northern regions of the Arctic stretches over a long period, the central part of which is characterized by the diminution of the cyclonism and by the increase in the number of cold intrusions. In the intermediate seasons the long-term variations of the circulatory order express themselves by the translocation of the order to the north or to the south. In all, in a Card 3/4

14-57-7-14724

Features of the Five Year Cycle (Cont.)

year at the beginning of this century, the opposition of the phases for the curves of the first and the third groups to the phase of the curve of the first group is well expressed. The second period is characterized by an intensification of cyclonism over the Northern Atlantic, by a substantial decrease in the number of strong Arctic intrusions, and by the northward translocation of the various members of circulations, which tended to maintain within this region the latitudinal circulation alternating with meridional intrusions from the rear. The article includes a bibliography of 25 titles.

A. B.

Card 4/4

DZERDZHEYEVSKIY, B.L.

~~_____~~
Otto IUL'evich Shmidt; obituary. Izv. AN SSSR, Ser. geog. no. 6: 149-
152 N-D '56. (MLRA 10:1)
(Shmidt, Otto IUL'evich, 1891-1956)

DZHERDZEYEVSKIY, B.L., professor.

Methods of studying the origin of hot dry winds. Vest.AN SSSR
26 no.3:74-78 Mr '56. (MLRA 9:6)
(Winds)

KHRGIAN, A.Kh.; BOROVNIKOV, A.M.; ~~DZERDZHEVSKIY, B.L.~~; DYUBYUK, A.F.;
ZVEREV, A.S.; ZOLOTAREV, M.A.; KHICHAK, O.G.; KLEMIN, I.A.;
PINUS, N.Z.; SELEZNEVA, Ye.S.; YASNOGORODSKAYA, M.M., red.;
VLADIMIROV, O.G., tekhn.red.

[Cloud atlas] Atlas oblakov. Leningrad, Gidrometeor.izd-vo,
1957. 45 p. (MIRA 12:9)

1. Russia (1923- U.S.S.R.) Glavnoye upravleniye gidrometeoro-
logicheskoy sluzhby.
(Clouds)

Dzerdzheyskiy, B.L.

KHIL'MI, G.F.; DZERDZHEVSKIY, B.L., professor, otvetstvennyy redaktor;
URANOV, A.A., professor, otvetstvennyy redaktor; STAROSTENKOVA,
M.M., redaktor izdatel'stva; MAKUMI, Ye.V., tekhnicheskiy redaktor

[Theoretical biogeophysics of forests] Teoreticheskaya biogeofizika
lesa. Moskva, Izd-vo Akad. nauk SSSR, 1957. 204 p. (MIRA 10:8)
(Forests and forestry)

IZERDIEVSKIY, B. K.
~~DR. B. K. IZERDIEVSKIY~~ doktor fiziko-matematicheskikh nauk, professor,
otvetstvennyy redaktor; VOLYNSKAYA, V.S., redaktor izdatel'stva;
POLYAKOVA, T.V., tekhnicheskiy redaktor.

[Dry winds; their origin and their control] Sukhovei, ikh
proiskhozhdenie i bor'ba s nimi. Moskva, 1957. 370 p. (MIRA 10:11)

1. Akademiya nauk SSSR. Institut *geografii*.
(Winds) (Droughts)

DZERDZHEYEVSKIY, B.L.

Circulation pattern for seasons of the year in the Northern Hemisphere. Izv.AN SSSR.Ser.geog. no.1:36-55 Ja-F '57. (MLRA 10:4)

1. Institut geografii AN SSSR.
(Atmosphere) (Seasons)

DZERDZEYEVSKIY, B.I.

Letter to the editor. Meteor. i gidrol.no.1;62 Ja '57.
(Atmosphere) (MLRA 10:3)

DZERDZEYEVSKIY, B.L.

Climatological symposium on arid zones. Izv.AN SSSR.Ser.geog.no.1:
147-151 Ja-F '57. (MLBA 10:4)
(Deserts)

DZHERDZHEVSKIY, B., professor.

Photography enriches science. Sov.foto 17 no.1:10-11 Ja '57.
(MOBA 10:7)
(Photography--Scientific applications)

DZERDZEYEVSKIY, B.L., professor

Rare photograph of lightning. Priroda 46 no.4:113 Ap '57.
(MLRA 10:5)

1. Institut geografii Akademii nauk SSSR. (Moskva).
(Lightning)

DZERDZEYEVSKIY' B. L.

3(5)

PHASE I BOOK EXPLOITATION SOV/1781

Akademiya nauk SSSR. Institut geografii.

Voprosy fizicheskoy geografii (Problems in Physical Geography)
Moscow, Izd-vo AN SSSR, 1958. 370 p. Errata slip inserted.
1,500 copies printed.

Resp. Ed.: G.D. Rikhter, Doctor of Geographical Sciences,
Professor; Ed. of Publishing House: D.N. Tugarinov;
Tech. Ed.: N.D. Novichkova.

PURPOSE: This book is intended for meteorologists, hydrologists,
pedologists, geologists, and students of physical geography
in general.

COVERAGE: These articles are dedicated to Academician A.A.
Grigor'yev in commemoration of his seventy-fifth birthday
anniversary. They treat problems in physical geography per-
taining to the northern regions of the USSR and particularly
those of Yakutia. The majority of the articles are devoted

Card 1/4. 2

Problems in Physical Geography

SOV/1781

to questions of latitudinal and vertical zonation and contain much factual material on the relationship between the various geographic components. Practical conclusions and meteorological principles are cited. Each article is accompanied by maps, photographs and numerous bibliographic references.

TABLE OF CONTENTS:

Foreword

5

Baybakova, Ye. M., B.L. Dzerdzeyevskiy, Ya. I. Fel'dman,
L.A. Chubukov, Yu. N. Shvareva. Climatic Structure of
the Weather Patterns in the Plains of Asiatic USSR
and Its Relationship to General Atmospheric Circu-
lation

7

Budyko, M.I., and O.A. Drozdov. Climatological
Factors in the Hydrological Regime of Land Areas

47

L'vovich, M.I. Aqueous Balance of Cultivated Fields
and Its Regulation

59

Card 2/4 3

3(3)

PHASE I BOOK EXPLOITATION

Klimat Antarktika (Climate of the Antarctic.) Moscow, Gostgeografiz, 1959. 285 p. (Series: Itogi Nauki i Tekhnologii i Klimatologii). Kravka slip inserted. 4,000 copies printed.

Ed.: **Z. N. Kuznes; Tech. Ed.: S. M. Kosheleva; Editorial Board:**
V. P. Burkhanov, B. L. Dvornichevskiy, Kh. P. Pogoreyan, and G. M.
Chubrik.

PURPOSE: This book is intended for meteorologists and climatologists. It will be of interest to all earth scientists concerned with the Antarctic region.

COVERAGE. This book contains 18 articles on the weather and climate of Antarctica. Articles present the generalized results of processing data obtained by the Soviets during their expeditions to the Antarctic, 1955-1958. Individual authors have attempted to clarify and unify previously divergent views on certain meteorological processes (ionospheric plasma content, etc.). No distributions are mentioned. References accompany individual articles.

TABLE OF CONTENTS:

5	Foreword	
7	Burkhanov, V. P. Investigating the Climate of the Antarctic	
28	Thumber, G. M. Some Particular Features of Atmospheric Processes in the Antarctic	
79	Leonov, F. G. The Nature of Zonal Circulation Over the Eastern Shore of Antarctica	
92	Osmer, A. M. Theoretical Outline of Air Circulation Over the Antarctic	
102	Gusev, A. M., and N. P. Rubtsov. The Meteorological Characteristics of the Interior Region of East Antarctica According to the Observations at Pionerskaya Station	
110	Rastvorov, V. I., and V. A. Alvarado. Description of Antarctic Circulation as Observed from April to November 1957	
168	Dzenizavskiy, B. L. The Weather in the Antarctic During the Voyage of the Research Ship "Lena" in 1957 and Some Problems of the Meteorology of the Southern Polar Region.	
210	Polozov, V. K. Problem of Accuracy in Computing Pressure Maps from Ground Level Data	
216	Pogozhin, E. P. The Atmospheric Circulation in the Antarctic	
252	Zhdanov, L. A. On the Characteristics of Synoptical Processes in the Southern Hemisphere in the Summer of 1955-1956	
263	Rastvorov, V. K. Problem of the Distribution of Temperature in the Free Atmosphere Over Antarctica	
266	Kheplinskiy, G. V. Some Results of the Stereophotogrammetric Survey of Waves in Antarctic Waters	
270	Gernov, Yu. A. Survey of Synoptical Conditions and Weather During the Period from July 23 to August 3, 1957	
274	Gernov, Yu. A. The Hurricane in the Muravy Region During the Night of August 14-15, 1957	

3(5)

NOV/10-59-2-17/29

AUTHOR: Avayuk G.I., Dzerdzegovskiy B.L.

TITLE: In International Geographical Organizations
Fifth - Moscow - Conference of the Special Committee
of the International Geophysical Year (30/7 - 9/8/59)

PERIODICAL: Izvestiya Akademii nauk SSSR, Seriya Geograficheskaya
1959, Nr 2, pp 133-135 (USSR)

ABSTRACT: The fifth conference of the Special Committee of
the International Geophysical Year, held in Moscow
from 30 July to 9 August 1959, was attended by more
than 400 representatives of 35 out of the 65 coun-
tries participating in the IGY. The basic work was
performed in symposia organized by 14 working teams
respectively concerned with 1) world days (i.e.
agreed periods of repeated and synchronized inter-
national observations) 2) meteorology (including
weather forecast computing methods, meteorology
of the Antarctic and problems concerning luminous
clouds), 3) geomagnetism, 4) Aurora Borealis and

Card 1/4

SCV/10-59-2-17/29

In International Geographical Organizations Fifth - Moscow -
Conference of the Special Committee of the International
Geophysical Year(30/7 - 9/8/58)

night glow, 5) ionosphere and meteors, 6) solar activity, 7) cosmic rays, 8) latitudes and longitudes, 9) glaciology, 10) oceanography, 11) rockets and sputniks, 12) seismology, 13) gravimetry, 14) nuclear reactions. After the conference sessions of the Spetsial'nyy komitet po issledovaniyam Antarktiki (Special Committee for Investigations of the Antarctic) and its working teams were held. Much attention was paid to the preservation, exchange and publication of the results of the observations. The conference passed a number of resolutions enlarging the possibilities to utilize observation materials, and facilitating in this way the work of the "Mirovyye tsentry dannykh" ("World Data Centers"), institutions established in several countries of the world for the mentioned purpose. Moreover, the

Card 2/4

SOV/10-59-2-17/29

11. International Geographical Organizations Fifth - Moscow -
Conference of the Special Committee of the International
Geophysical Year (30/7 - 9/8/58)

conference decided to continue the investigations on the present scale during the year 1959, calling it the year of "International Geophysical Collaboration". As to the departments of glaciology, oceanology, study of the Antarctic the conference resolved to continue the works also in the subsequent years. Among the Soviet scientists, G.G. Krichak reported on the results of investigations of atmospheric circulations carried out by the Second Soviet Continental Antarctic Expedition. N.I. Griglar showed slow-motion pictures illustrating his report on "Wave Movements and Meteorological Conditions of the Appearance of Luminous Clouds". N.A. Grube of the Institut merslotovedeniya AN SSSR (Permafrost Institute of the AS USSR) reported on a peculiar form of contemporaneous glaciation found in the region of Suntar-Khayata in the Yakut Autonomous SSR. ...

Card 3/4

307/10-59-2-17/29

In International Geographical Organizations Fifth - Moscow -
Conference of the Special Committee of the International
Geophysical Year (30/7 - 9/8/58)

Makarevich of the Kazakh AS supplied very interesting data on the thickness of loose deposits lying under the ice of the Tuyuksuyskiy glaciers of the Malaya Almaatinka valley in the Zailiyskiy Alatau (Trans-Ili Alatau). On the Tuyuksuyskiy glaciers a new method based on electrometric measurements was used, which permitted determination of the speed of deep ice layers. P.A. Shumskiy delivered a report on the "Results of Soviet Glaciological Investigations in the Antarctic". This report will be published in the next number of the "Byulleten' Komiteta MGG" (Bulletin of the Committee of the IGY). P.A. Shumskiy was also elected acting president of the glaciological team. There is 1 Soviet reference.

Canl 4/4

3(7)

207/10-59-2-18/29

AUTHOR: Dzerdzeyevskiy, B.L.

TITLE: Meteorological Bulletin

PERIODICAL: Izvestiya Akademii nauk SSSR, Seriya geograficheskaya, 1959, Nr 2, pp 139-140 (USSR)

ABSTRACT: This is a review of the new "Meteorologicheskii byulleten'. Yezhednevnyye karty pogody mira i karty srednesyachnykh znacheniy atmosfernogo davleniya, geopotentsiala i temperatury vozdukh. Iyul', 1957 g. Glavnoye Upravleniye Gidrometsluzhby pri SM SSSR, Tsentral'nyy institut prognozov, M., 1958. (Masshtab kart 1:82 000 000 (po paralleli 45°). Karty Arktiki i Antarktiki dany vrezkami) ("Meteorological Bulletin. Daily World Weather Charts and Charts of Average Monthly Atmospheric Pressure Values, Geopotential and Air Temperature. July, 1957. Main Directorate of the Hydrometeorological Service at the SM USSR, Central Institute of Prognoses, M., 1958. Scale of

Card 1/2

SOV/10-59-2-18/29

Meteorological Bulletin

Charts 1:82 000 000 (by parallel 45°). Charts of
Arctic and Antarctic Regions are given in sections.

Card 2/2

DZERDZEYEVSKIY, B.L.

Problems in Arctic climatology. Probl.Sev. no.3:168-179
'59. (MIRA 13:4)

1. Institut geografii AN SSSR.
(Arctic regions--Climate)

SOV/19-59-5-17/25

AUTHOR: Dzerdzeyevskiy, B.L.

TITLE: Scientific Conferences in Australia on the Problems of Antarctic Research

PERIODICAL: Izvestiya Akademii nauk SSSR, Seriya geograficheskaya, 1959, Nr 5, pp 109-116 (USSR)

ABSTRACT: In connection with the International Geophysical Year, two conferences were convened in Australia. The first - a symposium for discussions on Antarctic meteorology organized by the Australian Meteorologic Service - took place from 18 to 26 February 1959 in Melbourne and the second - the Third Session of the Special Committee for the Study of Antarctica - took place from 2 to 6 March 1959 in Canberra on the invitation of the national Academy of Sciences. The USSR was represented by M.M. Somov and the author. Four reports were presented by Soviet specialists on the following meteorological problems of Antarctica: P.D. Astapenko - on special features

Card 1/2

SOV/19-59-5-17/25

Scientific Conferences in Australia on the Problems of Antarctic Research

of atmospheric circulation in Antarctica in 1958-1959; A.M. Gusev - on the theoretical chart of general atmospheric circulation in Antarctica; B.L. Dzerdzeyevskiy - on special weather conditions on the eastern shores of Antarctica and G.M. Tauber - on drifting winds of Antarctica.

Card 2/2

3(7)

SOV/30-59-7-28/50

AUTHOR: Dzerdzeyevskiy, B. L., Doctor of Physical-mathematical Sciences

TITLE: News in Brief (Kratkiye soobshcheniya). Symposium on Antarctic Meteorology (Simpozium po antarkticheskoy meteorologii)

PERIODICAL: Vestnik Akademii nauk SSSR, 1959, Nr 7, pp 89-90 (USSR)

ABSTRACT: The symposium and the conference of the special committee on Antarctic research (SKAI) took place in Australia this year. The symposium, which was held from February 18 to 25 in Melbourne, was attended by meteorologists from Australia, England, Argentina, Belgium, New Zealand, the USSR, the USA, France, the Union of South Africa, and Japan. The problems discussed concerned the heat balance of the Antarctic glaciers, climatology of atmospheric strata in the south polar area, synoptic analysis and forecasts, the influence of the Antarctica on the synoptic processes in the temperate latitudes. The Soviet delegation was formed by B. L. Dzerdzeyevskiy and M. M. Somov. The author of the present paper gave a report concerning some meteorological peculiarities at the Antarctic coast. Reports by the chief of the first hibernation station Pionerskaya, A. M. Gusev concerning the theoretical air cir-

Card 1/2

SOV/30-59-7-28/50

News in Brief. Symposium on Antarctic Meteorology

culatation scheme over the Antarctica wereread, as well as reports by the participant of the first comprehensive Soviet Antarctic expedition G. M. Tauber concerning the characteristic of the wind current coming from the Antarctica. After the end of the symposium the participants went to Canberra, where the 3rd conference (SKAI) was opened on March 2, there, reports by delegates of several countries concerning the works of their Antarctic expeditions in 1958-1959 as well as programs of future operations were discussed. SKAI approved the activity of the Antarctic expeditions from Australia, the USSR and the USA in the field of Antarctic cartography. Permanent reporters of the various branches were appointed. M. M. Somov was appointed permanent reporter for oceanography. The 4th SKAI conference is scheduled to be held in September 1960 in one of the European countries. Among others, M. M. Somov (USSR) delivered public lectures in Canberra concerning research work in the Antarctica. ✓

Card 2/2

DZERDZEYEVSKIY, B.L., prof., doktor fiziko-matem.nauk, otv.red.;
SENILOVA, N.M., red.izd-va; NOVICHKOVA, N.D., tekhn.red.

[Hydrological and climatic regimen of the forest-steppe and
steppe zones of the U.S.S.R. in arid and humid years] Gidro-
klimaticheskii rezhim lesostepnoi i stepnoi zon SSSR v zasushli-
vye i vlazhnye gody. Moskva, Izd-vo Akad.nauk SSSR, 1960. 169 p.
(MIRA 13:7)

1. Akademiya nauk SSSR. Institut geografii.
(Droughts)

RAUNER, Yu.L.; DZERDZEYEVSKIY, B.L., prof., doktor fiziko-matemat.nauk,
otv.red.; BIRINA, A.V., red.izd-va; LEBEDEVA, L.A., tekhn.red.

[Characteristics of the formation of heat balance and micro-
climate in arid regions as exemplified in the Caspian Lowland]
Zakonomernosti formirovaniia teplovogo balansa i mikroklimata
v zasushlivykh usloviakh; na primere Prikaspiiskoi nizmennosti.
Moskva, Izd-vo Akad.nauk SSSR, 1960. 190 p. (MIRA 13:9)
(Caspian Lowland--Microclimatology)

RAUNER, Yu.L.; DZERDZHEYEVSKIY, B.L., prof., otv.red.; OGANOVSKIY, P.N.,
red.

[Zagorsk; heat balance] Zagorsk; teplovoi balans. Moskva.
(Materialy gliatsiologicheskikh issledovaniy). No.1. (Actino-
metric and gradient measurements] Aktinometricheskie i gra-
dientnye izmereniia. 1960. 135 p. (MIRA 14:3)

1. Akademiya nauk SSSR. Institut geografii.
(Zagorsk--Solar radiation) (Zagorsk--Atmospheric temperature)

DZERDZEVSKIY, B.L.

Report submitted for the 122nd USSR General Assembly, Tall. Arm. of
Meteorology and Atmospheric Physics, Minsk, 26 Aug - 6 August 1960.

RESEARCHES ON THE THERMAL BALANCE OF FOREST

B.L. Dzerdzevskiy and Ye. L. Romanov

1. Researches on the thermal balance of the system comprising the surface of the forest and the lower layer of the atmosphere have been carried out in the USSR for many years. In the USSR, researches have been carried out in the field of forest meteorology and microclimate.

Of great importance from the geographical and geographic points of view are researches on the thermal balance of the forest and of regional economy. This is especially valid for USSR, where areas occupied by forests are extremely extensive.

2. There are largely and numerous studies of meteorological conditions in a forest. However, they have been carried out in the USSR only in the last few years. They have been effected within the forest only (i.e., only within the canopy layer) and did not embrace simultaneously the forest above the canopy as well.

3. The Climatology Department of the Geographical Institute of the USSR Academy of Sciences carried out researches on the thermal balance of the forest (above the canopy) in 1957. It is a small forest, typical for the USSR, with a height of 15 m. The forest is situated in the USSR, in the middle of the forest layer from 10 m up to 150 m in diameter and in the middle of the forest. Consequently, the thickness of the layer studied was the forest canopy extends the height of the forest. The entire radiation and thermal balance complex is being studied.

Partial observations are taking place on a large forest plot (area 12.5 to 100 ha) and in two points under the forest canopy (height 10 m and 150 m) and on the forest surface. The results of observations are made at three points: forest surface, forest canopy and forest above the canopy.

On the basis of the data of the USSR Academy of Sciences, the results of researches on the thermal balance of the forest are being used in the USSR Academy of Sciences. The hydrological layer of the forest is being studied in the USSR Academy of Sciences. The hydrological layer of the forest is being studied in the USSR Academy of Sciences. The hydrological layer of the forest is being studied in the USSR Academy of Sciences.

4. The main part of the forest, determined by observations of the surface of the forest, is being studied by the USSR Academy of Sciences. The results of observations are being used in the USSR Academy of Sciences. The results of observations are being used in the USSR Academy of Sciences. The results of observations are being used in the USSR Academy of Sciences.

5. The results of observations are being used in the USSR Academy of Sciences. The results of observations are being used in the USSR Academy of Sciences. The results of observations are being used in the USSR Academy of Sciences. The results of observations are being used in the USSR Academy of Sciences. The results of observations are being used in the USSR Academy of Sciences.

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DZERDSEYEVSKIY, B. L.

"Half-Age Variability of Climate at the High Latitudes of the Northern Hemisphere and Some Problems of Climatological Classifications."

report to be submitted for the Intl. Geographical Union, 10th General Assembly and 19th Intl. Geographical Congress, Stockholm, Sweden, 6-13 August 1960.

PHASE I BOOK EXPLOITATION

SOV/5475

USSR. Glavnoye upravleniye gidrometeorologicheskoy sluzhby

Teplovoy i vodnyy rezhim zemnoy poverkhnosti (Thermal and Water Regime of the Earth's Surface) Leningrad, Gidrometeoizdat, 1960, 191 p. Errata slip inserted. 600 copies printed.

Sponsoring Agency: Glavnoye upravleniye gidrometeorologicheskoy sluzhby pri Sovete Ministrov SSSR.

Eds.(Title page): I. P. Gerasimov, Academician, M. I. Budyko, Doctor of Physics and Mathematics, and A. P. Gal'tsov, Doctor of Geographical Sciences; Ed.: M. M. Yasnogorodskaya; Tech. Ed.: M. I. Braynina.

PURPOSE: This publication is intended for geophysicists, geographers, climatologists, agronomists, and agriculturists.

COVERAGE: The seventeen articles contained in this publication represent condensed versions of reports presented at the Conference on the Heat and Water Regime of the Earth's Surface, convened by the Glavnaya geofizicheskaya observatoriya im. A. I. Voyeykova (Main Geophysical Observatory imeni

Card 1/5

Thermal and Water Regime (Cont.)

SOV/5475

A. I. Voyeykov) in April 1959. Individual articles deal with the investigation of the thermal balance of the earth's surface, problems of the genesis of climate related to heat and moisture exchange, the indicators of heat and water balance in agriculture, and problems related to the effect of hydro-meteorological factors upon complex geographical processes and phenomena. No personalities are mentioned. References follow individual articles.

TABLE OF CONTENTS:

Budyko, M.I. [Main Geophysical Observatory imeni A.I. Voyeykov]. Heat Balance of the Earth's Surface	5
Berlyand, T. G. [Main Geophysical Observatory imeni A.I. Voyeykov]. Global Distribution of Solar Radiation	14
Yanishevskiy, Yu. D. [Main Geophysical Observatory imeni A.I. Voyeykov]. Methods of Actinometric Investigations	23
Dzerdzeyevskiy, B. L., and Yu. L. Rauner [Institut geografii AN SSSR -- Institute of Geography, AS USSR]. The State and the Tasks of Investigating the Heat Balance of a Forest	29
Card 2/5	

SOV/5475

Thermal and Water Regime (Cont.)

Kalinin, G.P. [Tsentral'nyy institut prognozov -- Central Institute of Weather Forecasting]. General Reasons for the Investigation of Water Balance	42
Popov, O.V., and V.I. Kuznetsov [Gosudarstvennyy gidrologicheskiy institut -- State Hydrological Institute]. Experimental Investigation of the Elements of the Water Balance on Dry Land	48
L'vovich, M.I. [Institute of Geography, AS USSR]. Methods of Runoff Investigation on the Basis of Water Balance	62
Budagovskiy, A.I. [Institute of Geography, AS USSR]. Investigation of the Water Balance of Soil	71
Gal'tsov, A.P. [Institute of Geography, AS USSR]. The State and the Tasks of the Studies of the Genesis of Climate	82
Shvets, M.Ye. [Main Geophysical Observatory imeni A.I. Veyeykov]. Basic Problems of the Theory of Climate	96
Drozhdov, O.A. [Main Geophysical Observatory imeni A.I. Veyeykov]. Moisture Exchange in the Atmosphere	107
Card 3/5	

Thermal and Water Regime (Cont.)

80V/5475

Timofeyev, M.P. [Main Geophysical Observatory imeni A.I. Voyeykov]. Heat Balance and the Microclimate	120
Grigor'yev, A.A. [Academician, Institute of Geography, AS USSR]. The Role of Heat and Moisture Exchange in the Structure and Development of the Geographic Mantle (Mainly in the Lowlands of the Temperate Zone) and Their Significance in the Productivity of Agricultural Crops	128
Gerasimov, I.P. [and G.S. Pogodina, Institute of Geography, AS USSR]. Hydrothermal Factors in Soil Formation	144
Volobuyev, V.R. [Akademiya nauk Azerbaydzhanskoy SSR -- AS Azerbay- dzhanskaya SSR]. Total Expenditure of Energy for Soil Formation in Relation to the Hydrothermal Conditions	162
Lavrenko, Ye. M. [Botanicheskiy institut AN SSSR--Botanical Institute, AS USSR]. Hydrothermic Factors and the Geography and Ecology of the Vegetation Cover	180

Card 4/5

DZERDZEYEVSKIY, B. L.

"The analysis of some characteristic processes of atmosphere circulation over the Antarctic."

To be submitted for the 10th Pacific Science Congress, Honolulu 21 Aug-6 Sep 1961.

Institute of Geography.

[illegible]

ANAN'YEVA, L.M.; ZUYEV, V.M.; DZERDZEYEVSKIY, B.L., prof., otv. red.;
OGANOVSKIY, P.N., red.

[Materials on glaciological research: Zagorsk; heat balance] Ma-
terialy gliatsiologicheskikh issledovaniy: Zagorsk; teplovoi ba-
lans. Moskva, No.4. [Temperature of the soil and the snow cover]
Temperatura pochvy i snezhnogo pokrova. 1961. 141 p.

(MIRA 14:11)

1. Akademiya nauk SSSR. Institut geografii.
(Zagorsk--Soil temperature) (Zagorsk--Snow--Temperature)

ANAT'YEVA, L.M.; RAUNER, Yu.L.; DZERDZEYEVSKIY, B.L., prof., otv. red.;
OGANOVSKIY, P.N., red.

[Materials on glaciological research: Zagorsk; heat balance]
Materialy gliatsiologicheskikh issledovaniy: Zagorsk; teplovoi
balans. Moskva. No.3. [Gradient observations. Cloudiness.
Atmospheric phenomena] Gradientnye nabludeniia. Oblachnost'.
Atmosfernye iavleniia. 1961. 166 p. (MIRA 15:3)

1. Akademiya nauk SSSR. Institut geografii.
(Zagorsk--Meteorology--Observations)

ANAN'YEVA, L.M.; DZERDZEYEVSKIY, B.L., prof., otv. red.; OGANOVSKIY, P.N., red.

[Materials on glaciological research: Zagorsk; heat balance] Materialy gliatsiologicheskikh issledovaniy: Zagorsk; teplovoi balans. Moskva. No.2. [Gradient observations] Gradientnye nabliudeniya. 1961. 179 p. (MIRA 14:11)

1. Akademiya nauk SSSR. Institut geografii.
(Zagorsk—History)

S/169/62/000/002/027/072
D228/D301

AUTHOR: Dzerdzevskiy, B. L.

TITLE: Meteorologic and aerologic observations on the d/e
"Lena"

PERIODICAL: Referativnyy zhurnal, Geofizika, no. 2, 1962, 4, abstract 2B52 (V sb. Sov. antarkt. ekspeditsiya, 15, L., Morsk. transport, 1961, 11-316)

TEXT: The observations were conducted from September 10, 1956, to May 17, 1957, by means of CAC (SDS) whose emitter was mounted on the right wing of the upper bridge. 39 radioprobes were discharged. The maximum height of their ascents was 23,000 m. Tables of meteorologic and aerologic observations are appended. / Abstracter's note: Complete translation. _7

Card 1/1

S/169/62/000/011/036/077
D228/D307

AUTHORS: Budyko, M.I., Gal'tsov, A.P., Dzerdzeyevskiy, B.L.
and Sribnyy, M.F.

TITLE: Climatology and land hydrology section

PERIODICAL: Referativnyy zhurnal, Geofizika, no. 11, 1962, 66-67,
abstract 11B372 (In collection: XIX Mezhdunar. geogr.
kongress v Stokgol'me, 1960, M., AN SSSR, 1961,
322-327)

TEXT: 6 section meetings, at which 26 papers were heard,
were held at the 19th International Geographic Congress in Stockholm
(1960). Alpert (USA) presented the paper "Cloud observations by
means of satellites". The paper of Yosav (Iosav) (Japan) was devoted
to "Cloud variability as a climatic factor". Oliver (Great Britain)
considered the influence of the height of a place on the marine
climate of Great Britain. Green (Great Britain) read the paper
"Potential moisture deficit as an important climatic indicator in
the example of north-western Europe". Kemer's (FRG) communication
was entitled "Hydrologic observations on the Great Lakes in the last
Card 1/4